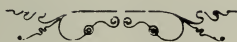


Egremont Urban District Council.



ANNUAL REPORT

ON THE

Public Health of Egremont

FOR THE YEAR 1910,

BY

GEORGE CALDERWOOD, M.D.,

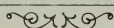
MEDICAL OFFICER OF HEALTH.



WILLIAMS BROS. PRINTERS. EGREMONT.

1911

To the Urban District Council, Egremond



GENTLEMEN,—

In presenting my Annual Report for the year 1910, I am glad to say that, on the whole, the year from a health point of view as been a satisfactory one. The first few months of the year were cold and wet and we had a considerable increase in the number of chest diseases, which, with Influenza more or less prevalent added for the time being to our death-rate. Our death-rate during these months is usually higher than at other times of the year, and chiefly from the causes I have mentioned. During the Summer and Autumn with milder climatic conditions prevailing the death-rate drops about one half. This is the rule though occasionally it is broken from some special cause. About the month of April we had our first case of Scarlet-fever and since that time it has been more or less present though never very bad. The cases occurring have as a rule (with the exception of a few where it has been severe) been of an exceedingly mild character. Some of those cases, where means of isolation did not exist, or where some particular cause rendered it desirable, were removed to the Isolation Hospital. During the year 16 cases were removed to the Isolation Hospital at Galemire. Nothing else of importance in infectious diseases occurred, though a certain number of cases of Whooping-cough appeared in the latter part of the year,

During the year 87 deaths arose in the whole district, giving a general death-rate of 13.8 per 1000 per annum. The general death-rate for the previous year was 15.55. The average death-rate for the last ten years has been 15.2. The births during the year numbered 176—101 Boys and 75 Girls,—giving rise to a birth-rate of 27.93 per 1000 per annum. The birth-rate for the last year was 31.9. The average birth-rate for the last ten years has been 28.7.

The deaths under 5 years of age, amount to 30, giving a death-rate of 4.7 per 1000 per annum. The corresponding death-rate for the previous year was 5.8. Under the age of one year 19 deaths arose in the whole district, giving an infantile death-rate of 3.01 per 1000 per annum. The corresponding death-rate for the previous year was 3.6.

It will be seen from a survey of these figures that the year has been a satisfactory one. The general death-rate is lower than last year, and lower than the average of the last 10 years. The births are, however, lower than last year, and also slightly under the average for the last 10 years. In regard to the births for 1909 it ought to be mentioned that they were exceptionally high, higher than they had been for the 14 years previous. The deaths in children under 5 years of age were lower than the previous year, as were also the deaths under 1 year. It is always pleasant to be able to record a low general death-rate, but it is specially pleasant when that applies also to the infantile death-rate.

Under Table III. "Cases of infectious diseases notified" 74 cases occurred in the whole district. Of these 66 were cases of Scarlatina, 2 Diphtheria including Membranous Croup, 5 Erysipelas, and 1 Enteric Fever. Of the 66 cases of Scarlatina 54 occurred at Egremont, 3 at Moor Row and Scalegill, and 9 at Bigrigg. The 5 cases of Erysipelas and the case of Enteric Fever all occurred at Egremont.

I now proceed to give the vital statistics of the various localities into which the district is divided.

EGREMONT.

Fifty-two of the 87 deaths occurred at Egremont, giving to it a death-rate of 12.38 per 1000 per annum. In the previous year the death-rate was 12.6. Of the 52 deaths 13 occurred in children under 1 year, 6 between 1 and 5 years, 1 between 5 and 15 years, 1 between 15 and 25 years, 18 between 25 and 65 years, and 13 at 65 years and upwards. Nineteen deaths occurred in Children under 5 years, giving an infantile death-rate of 4.5 per 1000 per annum. The infantile death-rate for the previous year was similiar. Thirteen deaths occurred at 65 years and upwards, giving a senile death-rate of 3.09 against one of 3.3 the previous year.

MOOR ROW AND SCALEGILL.

At Moor Row and Scalegill 16 of the 87 deaths occurred, giving to these places a death-rate 10.95 per 1000 per annum. For the previous year the death-rate was 15.7. Of the 16 deaths 3 occurred in children under the age of 1 year, 3 between 1 and 5 years, none between 5 and 15 years, none between 15 and 25 years, 6 between 25 and 65 years, and 4 at 65 years and upwards. Six deaths occurred in children under 5 years of age, giving an infantile death-rate of 4.1. Last year the infantile death-rate was similar. At 65 years and upwards the 4 deaths give a senile death-rate of 2.7 against 4.1 the previous year.

BIGRIGG.

Of the 87 deaths 19 occurred at Bigrigg, giving to it a death-rate of 29.68 per 1000 per annum. Last year the death rate was 34.3. Of the 19 deaths 3 occurred in child-

ren under 1 year, 2 between 1 and 5 years, 1 between 5 and 15 years, 1 between 15 and 25 years, 4 between 25 and 65 years, and 8 at 65 years and upwards. Under the age of 5 years 5 deaths arose, giving an infantile death-rate of 7.8. Last year the infantile death-rate was 18.9. The 8 deaths at 65 years and upwards give a senile death-rate of 12.5 against one of 4.6 the previous years.

HOUSING OF THE WORKING CLASSES ACT.

In regard to this Act I have to point out, as I have previously done in one of my Monthly Reports, that we are short of the number of houses required to accommodate the people properly. In consequence of this there is a degree of overcrowding not conducive to the general health of the community. It has also led to the smaller and poorer houses being occupied by working men with families, although they are not in any way suitable for such occupants. There are also a considerable number of men working in the district who are compelled to live out of it because of their inability to procure house accommodation. The only remedy for this state of matters is to build a number of New Houses, sufficient to meet the needs of the population. If this were done workmen with families would have a chance of proper accommodation, and the smaller and poorer houses, left for those for whom they are suitable. In every town especially an old town like Egremont, there are of course a considerable number of small and poor houses, but these houses if put into a sanitary condition, are quite suitable for a certain class of people viz:- Widows and Old Couples of slender means. Indeed we require houses of this class in order to meet the needs of all classes of the community. There is as much need to accommodate this class as well as the wage earning and better-to-do class. I know there is a difficulty in procuring Land for Building

Sites on account of Mining Operations in the neighbourhood, but I hope the Council will overcome those difficulties and attain the object desired.

DAIRIES, COWSHEDS AND MILKSHOPS' ACT.

These places have again been visited by the Inspector of Nuisances and myself. There is a considerable improvement in the Dairies and Cowsheds in our District in recent years, and I am glad to say that that improvement has been maintained. In several places where, on our last visit, we recommended increased lighting and ventilation, the alterations have been carried out. I recommend the Council in all new byres erected, to enforce the requisite amount of air space per animal. There is still a tendency to give too little air-space per animal, and if we make sure of having the new byres right in this respect, the difficulty ought to become less and less as time goes on. The great object in carrying out the Dairies and Cowsheds' Act is to procure the distribution of clean and the abolition of tuberculous milk. By strict attention to cleanliness in every form, it ought not to be difficult to attain the former object, but it is not so easy to effect the abolition of the tubercle bacilli in the milk distributed to the public. Of course it is well known that the tubercle bacilli in milk is derived from animals suffering from tuberculosis. I do not see how we are even to approach a solution of this question, unless the County Council or the Government appoint Veterinary Surgeons to inspect periodically the dairy cows all over the country, excluding from the herd every cow suffering from tuberculosis, especially those having tuberculous udders. That in my opinion is the first step to be taken in this crusade against tuberculous milk. No matter how good the sanitary condition of the byres may be, if tuberculous cows are allowed to live in them you cannot expect

anything but tuberculous milk. I am quite sure that success can only be attained by adopting a method of this kind, and the sooner it is done the better.

FACTORY AND WORKSHOPS ACT.

All these places have been visited by the Inspector of Nuisances and myself and found in a satisfactory condition. There are 23 places in all coming under this head in our district. They are chiefly Workshops and Workplaces, most of them Dressmaking Establishments, and a few small factories. In all these places we have attended to the air-space, ventilation, lighting, cleanliness, and drainage. There are no underground Bakehouses, and no out-workers in our district. An abstract of the Act is posted up in each place, showing the maximum number of workers allowable in proportion to cubic space.

During the year I have presented 12 Monthly Reports to the Council giving vital statistics, and dealing with other matters requiring to be attended to. A Systematic Inspection of the whole district has been made by the Nuisance Inspector and myself, and I am glad to say that we found everything in a satisfactory condition. Privies have now been practically abolished and Water-closets substituted, and this has resulted in a much nicer condition of matters. During the year the Nuisance Inspector has given 76 verbal notices, and 39 printed ones, all of which have been or are being attended to. The Sewers continue to act efficiently. The Water supply is good in quality but deficient in quantity, and I trust that means may be devised by which it may be increased.

I am, Gentlemen,

Yours, &c.,

GEORGE CALDERWOOD,

Medical Officer of Health.

*The following Tables have been compiled to enable the Council
to see at a glance important matters.*

BIRTHS.

176 or 27.93 per 1000 per annum.

DEATHS.

87 or 13.8 per 1000 per annum.

Deaths under Five Years of Age.

30 or 4.7 per 1000 per annum.

Showing the percentage of Infant and Senile Deaths.

Deaths under 1 year—19 or 3.01 per 1000 per annum.

Deaths at 65 years and upwards—25 or 3.96 per 1000 per annum.

Showing the Deaths from the Ten Principle Zymotic Diseases.

5 or .79 per 1000 per annum.

Smallpox	..	...	...	0
Scarlatina	...	...	...	2
Diphtheria and Membranous Croup	..	...	...	1
Typhus Fever	...	...	...	0
Typhoid Fever	...	...	...	1
Whooping Cough	...	...	...	0
Measles	...	...	...	0
Diarrhoea and Dysentery	...	...	...	1
Erysipelas	...	...	...	0
Puerperal	...	...	...	0
				<hr/>
				5

Showing the Death-Rate in the Separate Localities.

Egremont—52 or 12.38 per 1000 per annum.

Moor Row and Scalegill—16 or 10.95 per 1000 per annum.

Bigrigg—19 or 29.68 per 1000 per annum.

Showing the Zymotic Death-Rate in the Separate Localities.

Egremont—4 or .95 per 1000 per annum.

Moor Row and Scalegill—1 or .684 per 1000 per annum.

Bigrigg—0 or nil per 1000 per annum.

Showing the Death, Birth, and Zymotic rate since 1885.

	DFATHS.	BIRTHS.	ZYMOTIC.
1885	39 or 13.03 per 1000 per annum	226 or 36.3 per 1000 per annum	8 or 1.2 per 1000 per annum
1886	89 or 13.64	229 or 35.2	8 or 1.2
1887	123 or 18.9	119 or 13.5	25 or 3.8
1888	70 or 12.15	234 or 36.0	8 or 1.23
1889	87 or 12.46	250 or 38.46	2 or 0.307
1890	85 or 12.78	210 or 31.57	8 or 1.20
1891	88 or 13.96	228 or 36.19	5 or 0.79
1892	103 or 16.34	270 or 31.74	13 or 2.06
1893	102 or 16.19	205 or 32.75	5 or 0.79
1894	68 or 10.79	208 or 33.01	5 or 0.95
1895	97 or 15.35	202 or 32.96	10 or 1.58
1896	100 or 15.87	204 or 32.38	8 or 1.26
1897	62 or 9.841	168 or 26.66	3 or 0.952
1898	98 or 15.55	174 or 27.61	9 or 1.42
1899	63 or 10.0	155 or 24.6	4 or 0.63
1900	107 or 16.98	165 or 26.19	15 or 2.38
1901	68 or 11.72	171 or 29.48	3 or 0.31
1902	86 or 14.82	179 or 30.86	6 or 1.03
1903	97 or 15.9	178 or 29.5	5 or 0.83
1904	87 or 14.26	177 or 29.02	2 or 0.32
1905	111 or 17.77	184 or 29.2	10 or 1.58
1906	72 or 11.42	181 or 28.7	4 or 0.68
1907	102 or 16.19	181 or 28.72	5 or 0.79
1908	90 or 14.28	196 or 31.11	5 or 0.79
1909	98 or 15.55	201 or 31.9	17 or 2.6
1910	87 or 13.8	176 or 27.93	5 or 0.79

EGREMONT URBAN DISTRICT.

TABLE V.—*Infant Mortality during the Year 1910*

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month.	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year
All Causes	Certified ...																	
	Uncertified ..																	
Common Infections Diseases	Small-pox ...																	
	Chicken-pox ..																	
	Measles ...																	
	Scarlet Fever ...																	
	Diphtheria : Croup ...														1			1
	Whooping Cough ...						1											1
Diarrhoeal Diseases	Diarrhoea, all forms ...																	
	Enteritis (<i>not Tuberculous</i>) ...																	
	Gastritis, Gastrointestinal Catarrh ...																	
Wasting Diseases	Premature Birth ...																	
	Congenital Defects ...																	
	Injury at Birth ...																	
	Want of Breast-Milk ...	1																
	Atrophy, Debility, Marasmus ...								2			1						4
Tuberculous Diseases	Tuberculous Meningitis ...											1						1
	Tuberculous Peritonitis : Tuberculous Mesenterica ...																	
	Other Tuberculous Diseases ...																	
	Erysipelas ...																	
	Syphilis ...																	
	Rickets ...																	
	Meningitis (<i>not Tuberculous</i>) ...																	
	Convulsions ...		1						1	1					1			4
	Bronchitis ...			1					1		1			1				5
	Laryngitis ...																	
	Pneumonia ...											1					1	2
	Suffocation, overlying ...																	
	Other Causes ...	1																1
		2	1	1			1		4	1	1	4		1	2		1	19

District (or sub-division) of Egremont.

Population estimated to middle of 1910—6300.

Births in the year { legitimate
{ illegitimate

Deaths from all Causes at all Ages—19.

- (a) In Table IV., all deaths of Residents occurring in public institutions, whether within or without the district, are to be included with the other deaths in the columns for the several age groups (columns 2-8). They are also, in columns 9-15, to be included among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of Non-residents occurring in public institutions in the district are in like manner to be excluded from columns 2-8 and 9-15 of Table IV.
- (b) See notes on Table I. as to the meaning of Residents and Non-residents, and as to the Public Institutions to be taken into account for the purposes of these Tables. The Localities in Table IV. should be the same as those in Tables II. and III.
- (c) All deaths occurring in public institutions situated within the district, whether of Residents or of Non-residents, are, in addition to being dealt with as in note (a), to be entered in the last column of Table IV.. The total number in this column should equal the figures for the year in column 9, Table I.
- (d) The total deaths in the several Localities in columns 9-15 of Table IV. should equal those for the year in the same localities in Table II., sub-columns c. The total deaths at all ages in column 2 of Table IV. should equal the gross total of 9-15, and the figures for the year in column 12 of Table I.
- *(e) Under the heading of Diarrhoea are to be included deaths registered as due to Epidemic diarrhoea, Epidemic enteritis, Infective enteritis, Zymotic enteritis, Summer diarrhoea, Dysentery and Dysenteric diarrhoea Choleraic Diarrhoea, Cholera and Cholera Nostras.

In addition, and as regards deaths of children under one year of age, under the heading Diarrhoea in column 3, Table IV., are to be included all deaths classified as Diarrhoeal diseases in Table V.

Under the heading of Enteritis in Table IV., are to be included only deaths over one year of age registered as due to Enteritis, Muco-enteritis, Gastro-enteritis, Gastric catarrh, Gastritis, and Gastro-intestinal catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, under the specific term "Diarrhoea." Deaths from diarrhoea secondary to some other well-defined disease should be included under the latter.

- (f) Under the headings of "Cancer" and "Puerperal Fever" should be included all registered deaths from causes comprised within these general terms. Thus: Under Cancer should be included deaths from Cancer, Carcinoma, Malignant disease, Scirrhus, Epithelioma, Sarcoma, Villous tumour, and Papilloma of Bladder, Rodent ulcer. Under Puerperal fever are to be included deaths from Pyæmia, Septicæmia, Sepsæmia, Pelvi-peritonitis, Peri- and Ecto-Metritis occurring in the Puerperium.

- (g) Under "Congenital Defects" in Table V. are to be included deaths from Atelectasis, Icterus neonatorum, Navel hæmorrhage, Malformations and Congenital hydrocephalus.

- (h) Under "Tuberculous Meningitis" are to be included deaths from Acute hydrocephalus.

- (i) Under "Other Tuberculous Diseases" are to be included deaths from Tuberculosis of bones, joints and other organs, Lupus and Scrofula.

- (j) All deaths certified by registered Medical Practitioners and all Inquest cases are to be classed as "Certified"; all other Deaths are to be regarded as "Uncertified"

In recording the facts under the various headings of Tables I., II., III., IV. and V., attention has been given to the notes on the Tables,

EGREMONT URBAN DISTRICT.

TABLE IV.—Causes of, and Ages at, Death during year, 1910

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.								Deaths at all ages of "Residents" belonging to Localities, whether occurring in or beyond the District.							Total Deaths in Public Institutions in the district.
	1	2	Under 1 year.	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	9	10	11	12	13	14	15	
Small-pox
Measles
Scarlet Fever
Whooping cough
Diphtheria and membranous croup...
Croup { Typhus
Fever { Enteric
Other continued
Epidemic Influenza
Cholera
Plague
Diarrhoea (See notes).
Enteritis (See notes)
Puerperal fever (See notes
Erysipelas
Other septic diseases
Phthisis (See notes)
Other tubercular diseases
Cancer, malignant disease
(see notes
Bronchitis
Pneumonia
Pleurisy
Other diseases of Respiratory organs
Alcoholism
Cirrhosis of Liver }
Veneral diseases
Premature birth...
Diseases and accidents of parturition
Heart diseases
Accidents...
Suicides
All other causes...
All causes

No Public Institution in the District.

No Public Institution in the District.

EGREMONT URBAN DISTRICT.

TABLE III.—Cases of Infectious Disease notified during the year 1910

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.							No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.							Total cases removed to Hospital.	
	At all Ages.	At Ages × —Years						Egremont.	Moor Row and Scalpigg.	Bigrigg.													
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and up'rds.																
		1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	8
Small-pox																							
Cholera																							
Diphtheria including Membranous Group	2		2						2														
Erysipelas	5		1			2	2		5														
Scarlet Fever ..	66	3	10	41	3				54	3	9												16
Typhus Fever ...																							
Enteric Fever ..	1					1			1														
Relapsing Fever ..																							
Continued Fever ...																							
Puerperal Fever ...																							
Plague																							
*																							
Totals	74	3	22	41	3	3	2		62	3	9												

NOTES.—The Localities adapted for this table should be the same as those in Tables II. and IV.

State in space below the name of the Isolation Hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent.

Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district.

*This space may be used for record of other diseases the notification (compulsory or voluntary) of which is in force in the district

× These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

Isolation Hospital—Galemire Hospital, near Moor Row.

EGREMONT URBAN DISTRICT.

TABLE II.—Vital Statistics of separate Localities in 1910 and previous years.

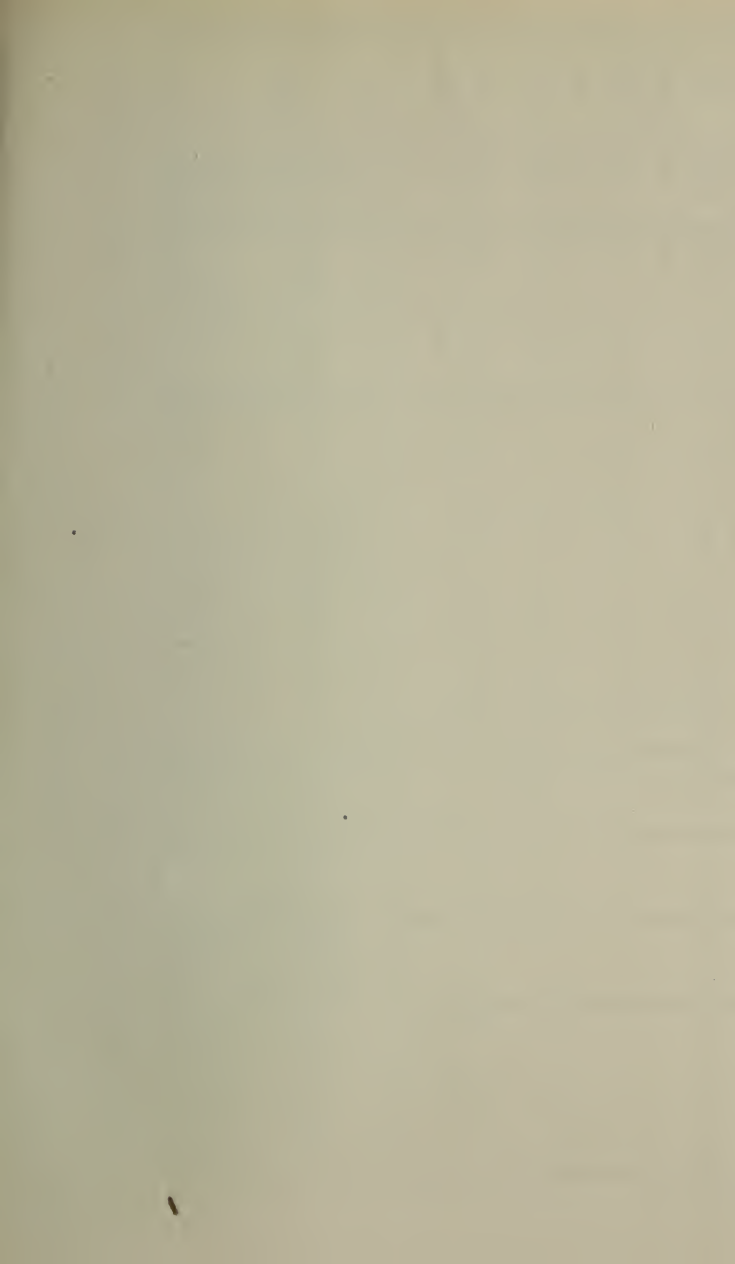
NAMES OF LOCALITIES.	1.—Egremont.				2.—Moor Row and Scalegill.				3.—Bigrigg.			
	Population estimated to middle of each year.	Births Registered.	Deaths at all ages	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all ages	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all ages.	Deaths under 1 year.
Year.												
1900	4200		69	15	1460		25	5	640		13	3
1901	3800		52	10	1460		11	4	640		5	2
1902	3800		59	5	1460		17	3	640		10	0
1903	4000		63	17	1460		26	5	640		8	3
1904	4000		56	16	1460		19	5	640		12	6
1905	4200		80	25	1460		25	6	640		7	2
1906	4200		45	14	1460		21	4	640		6	1
1907	4200		70	11	1460		18	3	640		14	1
1908	4200		56	14	1460		21	4	640		13	4
1909	4200		53	12	1460		23	2	640		22	9
Averages of Years 1900 to 1909			60.3	13.9			20.6	4.1			11	3.4
1910	4200		52	13	1460		16	3	640		19	3

NOTES—(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district; and blocks 2, 3, etc., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.

(b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns c of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")

(c) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.

(d) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables I. and IV., thus, the totals of sub-columns a, b and c should agree with the figures for the year in the columns 2, 3 and 12, respectively, of Table I.; the gross total of the sub-column c should agree with the total of column 2 in Table IV., and the gross total of sub-column d with the total of column 3 in Table IV.



EGREMONT URBAN DISTRICT.

TABLE I.—Vital Statistics of whole District during 1910 and previous years.

Year.	Population estimated to middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN DISTRICT.					Total Deaths in Public Institutions in the District.	Deaths of non-residents registered in public Institutions in the District.	Deaths of residents registered in Public Institutions beyond the District.	Net Deaths at all Ages belonging to the District.			
		Number	Rate*	Under 1 year of age	At all Ages.		Number	Rate*				Number	Rate*		
1	2	3	4	5	Rate per 1000 Births registered	6	7	8	9	10	11	12	13		
1900	6300	165	26.19	26	145	107	16.9	No Public Institution in the District.							
1901	6300	171	27.14	16	90.5	98	15.5								
1902	5800	179	28.5	8	44.4	80	14.84								
1903	5800	178	28.2	25	140.4	97	15.9								
1904	6100	177	28.0	21	112.4	87	14.26								
1905	6306	184	29.2	33	179	112	17.77								
1906	6309	181	28.7	19	104	72	11.42								
1907	6300	181	28.7	18	99	102	16.19								
1908	6300	196	31.10	23	117.3	90	14.28								
1909	6300	201	31.9	23	114.4	98	15.5								
Averages for years 1900-1909		181.3	28.7	21.2	114.6	95.3	15.2								
1910	6300	176	27.93	19	107.9	87	13.8								

* Rates in columns 4, 8 and 13 calculated per 1000 of estimated population.

NOTE.—The deaths to be included in column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-Residents," is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public institutions" to be taken into account for the purposes of these tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses and lunatic asylums. A list of the Institutions in respect of deaths in which corrections have been made should be given on the back of this Table.

Area of District in acres (exclusive of area covered by water).	2776	Total Population at all ages	6300
Number of Inhabited houses	1260	At Census of 1901	
Average number of persons per house	5		